

All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 11:44:36 AM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Due Date	Assigned To	Status
Latent Condition	307	D&R	NAPHTHA SPLITTER	2003	5-7	Is there an environment of trust between on line workers and supervision, such that, feedback communications are used?	Although there are at times issues of trust, feedback communications do occur in both directions.	None	none	12/31/2004	Zarbis, James T.	Completed
Latent Condition	308	D&R	NAPHTHA SPLITTER	2003	4-2	Is communications equipment adequate for the number of persons or stations who must communicate with each other?	There are enough radios to go around and under normal circumstances it is adequate, but in emergency situations the system is at times overloaded.	Evaluate effectiveness of radios during emergency and implement changes as needed.	none; if needed during an emergency Mgmt on Call / RSC can provide needed resources.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	309	D&R	NAPHTHA SPLITTER	2003	4-1	Are the communications facilities between process units adequate for clear and uninterrupted communications during both normal and emergency situations [e.g., telephone land lines, radio, computer network, and E-mail, and are systems redundant and/or secure?	Under normal conditions communications are adequate. In an emergency the radio system becomes overloaded.	Evaluate effectiveness of radios during emergency and implement changes as needed.	none; during an emergency, for example, all routine radio traffic not directly involved with the emergency will be asked to clear the channel.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	310	D&R	NAPHTHA SPLITTER	2003	3-24	If displays are shared with another unit, does it cause any problems at times?	Displays are not shared between units but the shutdown switches do share common locations.	Review setup of emergency switches to make certain they are clearly identified.	none; submit PP WR if additional tags are needed.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	311	D&R	NAPHTHA SPLITTER	2003	3-11	Are operating ranges for process variables specified in the same engineering units as the instrument read-out or indicator (i.e., mental conversion of units is avoided)?	In the field meters read 0 to 100% of flow or level as opposed to an actual level or flow as in the Honeywell. True readings are available from the PCO if necessary	Probably not a major issue but it needs to be mentioned if we are trying to avoid mentally converting units.	Discussed this with PCO/O/HO - would be useful. Control engineering to work with OMC on getting field tags made for reflux, btms, oh, other rates as tagged now in the field as 0 - 100% flow or level. PP WR submitted.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	312	D&R	NAPHTHA SPLITTER	2003	5-81	Do first line supervisors provide the required training to the worker?	Not in all cases. Training is sometimes less than adequate. Refresher training has recently become C.B.T. and this does not sit well with most Operators.	None	Computer based training was reviewed (with input from SME's, i.e., HO's, Division Trainer) and updated 1Q04 and 2Q04. Training processes that are in place at the Development Dept. fully meet the requirements to provide training for operating personnel.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	313	D&R	NAPHTHA SPLITTER	2003	5-80	Are required procedures provided or communicated to the worker by supervision?	For the most part the required procedures are in place. But this is often not in cases where special procedures are required.	None. The intent is to follow the MOC process to ensure procedures and training are in place.	none; MOC process in place to provide training and procedures. Tenets of Operation in place and adhered to.	12/31/2004	Zarbis, James T.	Completed

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Latent Condition	314	D&R	NAPHTHA SPLITTER	2003	4-40	Is there an attitude of non-penalization when an operator says there is a failure and there is not?	No there is not an attitude of non-penalization.	If someone makes a decision to cut feed or S/D a unit they had better be right or they will be penalized. That is the belief among operators.	none. If there were an incident and an operator made a decision based on the best information available at the time, in accordance with the Tenets of Operation, there is no basis for disciplinary action.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	315	D&R	NAPHTHA SPLITTER	2003	4-44	Do workers feel that unsafe operations or maintenance activities can be shutdown without fear of retaliation?	Workers are not always comfortable shutting down jobs or units when they feel something is unsafe.	None. Management philosophy is to follow the tenets of operations.	none; will reinforce Tenets with crews via informal safety discussions.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	316	D&R	NAPHTHA SPLITTER	2003	4-46	Is job planning by supervisors adequate?	Not always in special cases. Often operators and engineers are left to improvise or revise the plan.	In some cases more effort needs to be applied to job planning.	MET and Shutdown Impact processes are followed to perform work. For s/d's, extra work is performed via the Impact extra work process. Emergency work requires involvement from many disciplines with inherent flexibility to adjust plans based on current information, following Tenets.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	317	D&R	NAPHTHA SPLITTER	2003	2-50	Do operators have time to respond in an emergency and report, in accordance with the procedures, appropriately?	No, but depending on the extent of the emergency and who is available to help, calls are often made by other operators or shift supervisors.	None	none. HO can delegate tasks to available people, for example, E Crew, Day Shift AS, OS, SYSS, others. Procedures point out requirements; these tasks can be delegated in an emergency.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	318	D&R	NAPHTHA SPLITTER	2003	2-20	Is all information necessary for performing the procedure included or referenced in the procedure?	No, not all necessary or current information is there. The Emergency procedures for the Naphtha Splitter and Caustic Scrubber are not reflective of the way a knowledgeable operator would put the plants into a safe condition.	The procedures in these plants need to be reviewed and revised where necessary.	ecom conversion complete; procedures / job aids complete.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	319	D&R	NAPHTHA SPLITTER	2003	3-61	Are the procedures consistent with actual operating practices, particularly operating practices responding to emergency or upset conditions?	Procedures are not accurate enough to be strictly followed in an emergency.	The procedures in these plants need to be reviewed and revised where necessary.	procedures have been updated and converted to ecom.	12/31/2004	Zarbis, James T.	Completed

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Latent Condition	320	D&R	NAPHTHA SPLITTER	2003	1-4	Are the worker's knowledge, skills, and abilities adequate to perform the job safely?	In some cases the skills and knowledge are not adequate. There are issues around training and institutional memory. Increased reliability has also limited operators' knowledge of other than normal operating conditions.	Improved training and procedures are required to improve in this area.	none. Specific to the Naphtha Splitter, the crew training / Development Dept. training fully meets the requirements to safely operate this plant. This plant does not have a furnace, compressor, or unique process equipment. Level of complexity is moderate.	12/31/2004	Zarbis, James T.	Completed
Latent Condition	321	D&R	NAPHTHA SPLITTER	2003	1-5	Do operators have sufficient knowledge to safely operate or shutdown the unit in emergency situations where they must assume manual control?	In some cases the skills and knowledge are not adequate. There are issues around training and institutional memory. Increased reliability has also limited operators' knowledge of other than normal operating conditions.	Simulations for the Control Board operators would be helpful.	none. Specific to the Naphtha Splitter, the crew training / Development Dept. training fully meets the requirements to safely operate this plant. This plant does not have a furnace, compressor, or unique process equipment. Level of complexity is moderate. EOM's reviewed and updated 2004.	8/30/2004	Zarbis, James T.	Completed
Latent Condition	678	D&R	NAPHTHA SPLITTER	2003	4-3	Is the communication capability between operators, and between operators and the control room or other necessary locations adequate during normal operations and emergencies?	Under normal conditions communications are adequate. In an emergency the radio system becomes overloaded.	Consider upgrading the Refinery Radio System	This recommendation was identified as 'not complete' during a 2009 audit of the database. This issue was addressed in the 2008 PHA and the 2008 resolution will be used to complete this recommendation. See Question 4-3, Record # 540 in 2008 review.	11/19/2009	Crow, Mark A.	Completed